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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/000287

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G01L5/00, F16D66/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G01L5/00, F16D66/00, F16D65/12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Toroku Jitsuyo Shinan Koho	1994-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 9-14306 A (Akebono Brake Industry Co., Ltd.), 14 January, 1997 (14.01.97), Full text; all drawings (Family: none)	1-6, 8
Y	JP 10-267054 A (Nissin Kogyo Co., Ltd.), 06 October, 1998 (06.10.98), Par. Nos. [0010] to [0015]; Fig. 1 (Family: none)	1, 4-5, 7
Y	JP 2001-304309 A (Koyo Seiko Co., Ltd.), 31 October, 2001 (31.10.01), Full text; all drawings (Family: none)	1-3, 8-9

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance

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"&" document member of the same patent family

Date of the actual completion of the international search
24 May, 2004 (24.05.04)Date of mailing of the international search report
08 June, 2004 (08.06.04)Name and mailing address of the ISA/
Japanese Patent Office

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/000287

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2736392 B2 (Japan Electronics Industry Ltd.), 02 April, 1998 (02.04.98), Page 5, right column, line 18 to page 6, left column, line 8; Figs. 7 to 9 (Family: none)	1-9